



PTO/SB/08A (10-01)
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/041,007		
		Filing Date	January 7, 2002		
		First Named Inventor	Seiichi P. Matsuda		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	2	Attorney Docket Number	HO-P02081US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PP	AA	5,241,084-	08-31-1993	Teng	
PP	AB	5,322,688-	06-21-1994	Schwabe	
PP	AC	5,389,370-	02-14-1995	O'Reilly et al.	
PP	AD	5,399,348-	03-21-1995	Schwabe	
PP	AE	5,512,286-	04-30-1996	Schwabe	
PP	AF	5,599,950-	02-04-1997	Teng	
PP	AG	5,637,302-	06-10-1995	Bombardelli et al.	
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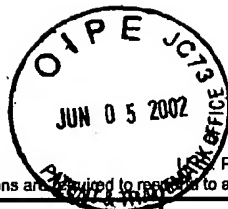
FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Signature	Rebecca Proulx	Date Considered	9/17/04
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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/041,007
				Filing Date	January 7, 2002
				First Named Inventor	Seiichi P. Matsuda
				Group Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	HO-P02081US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RP	CA	Balz, J.P., et al. (1999) Production of ginkgolides and bilobalide by Ginkgo biloba plants and tissue cultures. Planta Medica 65(7): 620-626	
RP	CB	Bohlmann, J. et al. (1998) Proc. Natl. Acad. Sci. USA 95, 4126-4133.	
RP	CC	Cartayrade, A., et al. (1997) Plant Physiol. Biochem. 35, 859-868.	
RP	CD	Corey, E. J., et al. (1987) J. Am. Chem. Soc. 109, 7534-7536.	
RP	CE	Corey, E. J., et al. (1988) J. Am. Chem. Soc. 110, 649-651.	
RP	CF	Corey, E. J., et al. (1988) Tetrahedron Lett. 29, 3205-3206.	
RP	CG	Le Bars, Pl. L. et al. (1997) A placebo-controlled, double-blind, randomized trial of an extract of Ginkgo biloba for dementia. North American EGb Study Group. J. Amer. Med. Assoc. 278(16):1327-32.	
RP	CH	Neau, E., et al. (1997) Plant Physiol. Biochem. 35, 869-879.	
RP	CI	Schwarz, M., et al. (1999) Comp. Nat. Prod. Chem. 2, 367-400.	
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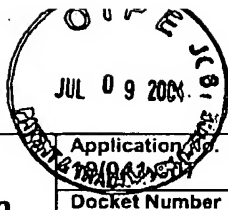
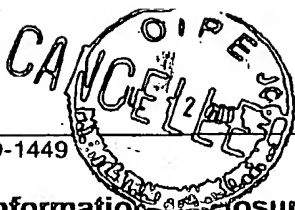
Examiner Signature	Rebecca Ponty	Date Considered	9/12/04
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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PTO-1449

Information Disclosure Citation
in an ApplicationApplication No.
12/043,677Docket Number
002376.0990Applicant(s)
Seiichi P.T. Matsuda, et al.Group Art Unit
1652Filing Date
1-07-2002

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
RP	A.	4849410	07-18-1989	R. Jacobs, et al.	514	33	08-14-1987
RP	B.	5151352	09-29-1992	H. Nakano, et al.	435	123	09-30-1991
RP	C.	5189187	02-23-1993	H. Nakano, et al.	549	548	06-24-1992
RP	D.	5589581	12-31-1996	N. Misawa, et al.	536	23.2	03-10-1994
RP	E.	5602184	02-11-1997	C. Myers, et al.	514	739	03-03-1993
RP	F.	5637484	06-10-1997	Y. Yukimune, et al.	435	123	11-09-1994
RP	G.	5429939	07-04-1995	N. Misawa, et al.	435	67	10-23-1991
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RP	J.	6235287	05-22-2001	M. Weidner, et al.	424	195.1	01-08-1999

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							YES	NO
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RP	L.	Albrecht, M., et al., <i>Synthesis of atypical cyclic and acyclic hydroxy carotenoids in Escherichia coli transformants</i> , Journal of Biotechnology 58 (1997) 177-185.	09-22-1997
RP	M.	Bailey, James E., <i>Toward a Science of Metabolic Engineering</i> , Science, New Series, Volume 252, Issue 5013, 1668-1675.	06-21-1991
RP	N.	Basson, Michael E., et al., <i>Identifying Mutations in Duplicated Functions in Saccharomyces cerevisiae: Recessive Mutations in HMG-CoA Reductase Genes</i> , Genetics, 117, 645-655.	12-1987
RP	O.	Basson, Michael E., <i>Saccharomyces cerevisiae contains two functional genes encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase</i> , Proc. Natl. Acad. Sci. USA 83: 5563-57.	1986
RP	P.	Corey, E.J., et al., <i>Isolation of an Arabidopsis thaliana gene encoding cycloartenol synthase by functional expression in a yeast mutant lacking lanosterol synthase by the use of a chromatographic screen</i> , Proc. Natl. Acad. Sci. USA Vol. 90, pp. 11628-11632.	12-1993
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RP	S.	Hara, Mitsunobu, et al., <i>Leinamycin, A New Antitumor Antibiotic From Streptomyces, Producing Organism, Fermentation and Isolation</i> , The Journal of Antibiotics, pp. 1768-1774. Vol. XLII	12-1989
RP	T.	Hezari, Mehri, et al., <i>Purification and Characterization of Taxa-4(5), 11(12)-diene Synthase from Pacific Yew (Taxus brevifolia) that Catalyzes the First Committed Step of Taxol Biosynthesis</i> , Archives of Biochemistry and Biophysics, Vol. 322, No. 2, pp. 437-444.	10-01-1995
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PTO-1449		Application No. 10/041,007		Applicant(s) Seiichi P.T. Matsuda, et al.	
Information Disclosure Citation in an Application		Docket Number 002376.0990		Group Art Unit 1652	Filing Date 1-07-2002
U.S. PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A.					
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS
B.					
NON-PATENT DOCUMENTS					
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE
RP	C.	Kajiwaru, Susumu, et al., <i>Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli</i> , Biochem J., 324(Pt 2): 421-6.			06-01-1997
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RP	H.	Lewis, T.L., et al., <i>Pleiotropic Mutations in Saccharomyces cerevisiae Affecting Sterol Uptake and Metabolism</i> , Yeast 4(2):93-106.			1988
RP	I.	Liu, Shuang-Jiang, et al., <i>A Novel Genetically Engineered Pathway for Synthesis of Poly (Hydroxyalkanoic Acids) in Escherichia Coli</i> , Applied and Environmental Microbiology, Vol. 66, No. 2, p. 739-743.			02-2000
RP	J.	Misawa, Norihiko, et al., <i>Production of B-Carotene in Zymomonas mobilis and Agrobacterium tumefaciens by Introduction of the Biosynthesis Genes from Erwinia uredovora</i> , Applied and Environmental Microbiology, Vol. 57, No. 6, p. 1847-1849.			06-1991
RP	K.	Misawa, Norihiko, et al., <i>Metabolic engineering for the production of carotenoids in non-carotenogenic bacteria and yeasts</i> , Journal of Biotechnology 59 (1998) 169-181.			1998
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RP	N.	Miura, Yutaka, et al., <i>Production of the Carotenoids Lycopene, B-Carotene, and Astaxanthin in the Food Yeast Candida utilis</i> , Applied and Environmental Microbiology, Vol. 64, No. 4, p. 1226-1229.			04-1998
RP	O.	Ness, Frederique, et al., <i>SUT1 is a putative Zn(II)-dependent transcription factor whose upregulation enhances both sterol uptake and synthesis in aerobically growing Saccharomyces cerevisiae cells</i> , Eur. J. Biochem. 268, 1585-1595.			02-2001
RP	P.	Parks, Leo W., et al., <i>Physiological Implications of Sterol Biosynthesis in Yeast</i> , Annu. Rev. Microbiol. 49:95-116.			1995
RP	Q.	Parks, Leo W., et al., <i>Biochemical and Physiological Effects of Sterol Alterations in Yeast-A Review</i> , Lipids Vol. 30 No. 3:227-230.			1995
RP	R.	Peters, Reuben J., et al., <i>Abietadiene Synthase from Grand Fir (Abies grandis) Characterization and Mechanism of Action of the "Pseudomature" Recombinant Enzyme</i> , Biochemistry 39: 15592-15602.			12-2000
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EXAMINER Rebecca Prout				DATE CONSIDERED 9/17/01	
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PTO-1449		Application No. 10/041,007		Applicant(s) Seiichi P.T. Matsuda, et al.			
Information Disclosure Citation in an Application		Docket Number 002376.0990		Group Art Unit 1652	Filing Date 1-07-2002		
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FOREIGN PATENT DOCUMENTS							
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NON-PATENT DOCUMENTS							
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RP	C.	Stephanopoulos, G., <i>Bioinformatics and Metabolic Engineering</i> , Metabolic Engineering 2(3): 157-158.					2000
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RP	G.	Wildung, Mark R., et al., <i>A cDNA Clone for Taxadiene Synthase, the Diterpene Cyclase That Catalyzes the Committed Step of Taxol Biosynthesis</i> , J. of Biological Chem., Vo. 271, No. 16: 9201-9204.					04-19-1996
RP	H.	Yamano, Shigeyuki, et al., <i>Metabolic Engineering for Production of B-Carotene and Lycopene in Saccharomyces cerevisiae</i> , Biosci. Biotech. Biochem., 58(6): 1112-1114.					1994
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